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FILE 'HOME' ENTERED AT 18:16:58 ON 28 APR 2005)

FILE 'MEDLINE' ENTERED AT 18:17:13 ON 28 APR 2005

L1	246387 S LIPID
L2	95194 S APOPTOSIS
L3	2108 S L1 (L) L2
L4	24 S LIPID (1W) APOPTOSIS
L5	12 S L4 AND PY<2002

L5 ANSWER 1 OF 12 MEDLINE on STN  
 TI Signalling steps in apoptosis by ether lipids.  
 AU Smets L A; Van Rooij H; Salomons G S  
 SO Apoptosis : an international journal on programmed cell death, (1999 Dec) 4 (6) 419-27.  
 Journal code: 9712129. ISSN: 1360-8185.  
 SO Apoptosis : an international journal on programmed cell death, (1999 Dec) 4 (6) 419-27.  
 Journal code: 9712129. ISSN: 1360-8185.  
 AB . . . L-buthionine-S-R-sulfoximine (L-BSO) lowered the resistance of S49ar cells to ALP, stress factors and ionising radiation. The results indicate that ether lipids induce apoptosis by imposing a special form of physico-chemical stress, mediated by reactive oxygen species but independent of p53 status. The capacity. . .

L5 ANSWER 2 OF 12 MEDLINE on STN  
 TI Clusterin, a binding protein with a molten globule-like region.  
 AU Bailey R W; Dunker A K; Brown C J; Garner E C; Griswold M D  
 SO Biochemistry, (2001 Oct 2) 40 (39) 11828-40.  
 Journal code: 0370623. ISSN: 0006-2960.  
 SO Biochemistry, (2001 Oct 2) 40 (39) 11828-40.  
 Journal code: 0370623. ISSN: 0006-2960.  
 AB . . . secreted by cultured rat Sertoli cells. The function of clusterin is unknown, but it has been associated with cellular injury, lipid transport, apoptosis, and it may be involved in the clearance of cellular debris caused by cell injury or death. Consistent with this. . .

L5 ANSWER 3 OF 12 MEDLINE on STN  
 TI Effects of cellular redox balance on induction of apoptosis by eicosapentaenoic acid in HT29 colorectal adenocarcinoma cells and rat colon in vivo.  
 AU Latham P; Lund E K; Brown J C; Johnson I T  
 SO Gut, (2001 Jul) 49 (1) 97-105.  
 Journal code: 2985108R. ISSN: 0017-5749.  
 SO Gut, (2001 Jul) 49 (1) 97-105.  
 Journal code: 2985108R. ISSN: 0017-5749.  
 AB . . . apoptosis than those fed corn oil, and glutathione depletion enhanced this effect. CONCLUSIONS: Incorporation of EPA into colonic epithelial cell lipids increases apoptosis. The results of this study, using both an animal and cell line model, support the hypothesis that this effect is. . .

L5 ANSWER 4 OF 12 MEDLINE on STN  
 TI Loss of cyclin A and G1-cell cycle arrest are a prerequisite of ceramide-induced toxicity in human arterial endothelial cells.  
 AU Spyridopoulos I; Mayer P; Shook K S; Axel D I; Viebahn R; Karsch K R  
 SO Cardiovascular research, (2001 Apr) 50 (1) 97-107.  
 Journal code: 0077427. ISSN: 0008-6363.  
 SO Cardiovascular research, (2001 Apr) 50 (1) 97-107.  
 Journal code: 0077427. ISSN: 0008-6363.  
 AB BACKGROUND: Ceramide is an important messenger of TNF- and lipid-induced apoptosis. We previously demonstrated the adverse effect of TNF in the process of reendothelialization as well as the dependence of its. . .

L5 ANSWER 5 OF 12 MEDLINE on STN  
 TI Intracellular triggering of Fas, independently of FasL, as a new mechanism of antitumor ether lipid-induced apoptosis.  
 AU Gajate C; Fonteriz R I; Cabaner C; Alvarez-Noves G; Alvarez-Rodriguez Y; Modolell M; Mollinedo F  
 SO International journal of cancer. Journal international du cancer, (2000 Mar 1) 85 (5) 674-82.  
 Journal code: 0042124. ISSN: 0020-7136.  
 TI Intracellular triggering of Fas, independently of FasL, as a new mechanism of antitumor ether lipid-induced apoptosis.  
 SO International journal of cancer. Journal international du cancer,

- L5 ANSWER 6 OF 12 MEDLINE on STN  
TI Induction of apoptosis in macrophages by cationic liposomes.  
AU Aramaki Y; Takano S; Tsuchiya S  
SO FEBS letters, (1999 Nov 5) 460 (3) 472-6.  
Journal code: 0155157. ISSN: 0014-5793.  
SO FEBS letters, (1999 Nov 5) 460 (3) 472-6.  
Journal code: 0155157. ISSN: 0014-5793.  
AB . . . on apoptosis in macrophages were evaluated from DNA content and DNA fragmentation. Cationic liposomes composed of different kinds of cationic **lipids** induced **apoptosis** in mouse splenic macrophages and the macrophage-like cell line, RAW264.7 cells. Generation of reactive oxygen radicals from macrophages treated with. . .
- L5 ANSWER 7 OF 12 MEDLINE on STN  
TI Effect of synthetic **lipids** on **apoptosis** and expression of alkaline phosphatase in B-lymphocytes: influence on lipopolysaccharide action.  
AU Souvannavong V; Andreau K; Adam A; Chaby R  
SO FEMS immunology and medical microbiology, (1999 Oct) 26 (1) 37-47.  
Journal code: 9315554. ISSN: 0928-8244.  
TI Effect of synthetic **lipids** on **apoptosis** and expression of alkaline phosphatase in B-lymphocytes: influence on lipopolysaccharide action.  
SO FEMS immunology and medical microbiology, (1999 Oct) 26 (1) 37-47.  
Journal code: 9315554. ISSN: 0928-8244.
- L5 ANSWER 8 OF 12 MEDLINE on STN  
TI Regulation of membrane release in apoptosis.  
AU Zhang J; Driscoll T A; Hannun Y A; Obeid L M  
SO Biochemical journal, (1998 Sep 1) 334 ( Pt 2) 479-85.  
Journal code: 2984726R. ISSN: 0264-6021.  
SO Biochemical journal, (1998 Sep 1) 334 ( Pt 2) 479-85.  
Journal code: 2984726R. ISSN: 0264-6021.  
AB . . . measured by release of either 3H-labelled AA or palmitic acid. Thus the present study demonstrates that the release of membrane **lipids** during **apoptosis** defines a new assay for apoptosis and has allowed the investigation of the mechanisms regulating formation of apoptotic bodies.
- L5 ANSWER 9 OF 12 MEDLINE on STN  
TI Coordinate regulation of stress- and mitogen-activated protein kinases in the apoptotic actions of ceramide and sphingosine.  
AU Jarvis W D; Fornari F A Jr; Auer K L; Freemerman A J; Szabo E; Birrer M J; Johnson C R; Barbour S E; Dent P; Grant S  
SO Molecular pharmacology, (1997 Dec) 52 (6) 935-47.  
Journal code: 0035623. ISSN: 0026-895X.  
SO Molecular pharmacology, (1997 Dec) 52 (6) 935-47.  
Journal code: 0035623. ISSN: 0026-895X.  
AB . . . imidazole SB-203580 failed to mitigate the cytotoxicity associated with either ceramide or sphingosine, suggesting that p38-RK is not essential for **lipid**-induced **apoptosis**. These findings demonstrate that reciprocal alterations in the SAPK and MAPK cascades are associated with the apoptotic influence of either. . .
- L5 ANSWER 10 OF 12 MEDLINE on STN  
TI Vitamin E inhibits apoptosis, DNA modification, and cancer incidence induced by iron-mediated peroxidation in Wistar rat kidney.  
AU Zhang D; Okada S; Yu Y; Zheng P; Yamaguchi R; Kasai H  
SO Cancer research, (1997 Jun 15) 57 (12) 2410-4.  
Journal code: 2984705R. ISSN: 0008-5472.  
SO Cancer research, (1997 Jun 15) 57 (12) 2410-4.  
Journal code: 2984705R. ISSN: 0008-5472.  
AB . . . were fed with vitamin E-sufficient (control) and vitamin

E-supplemented diets throughout the experiment. After 1 month of feeding, iron-induced tissue **lipid** peroxidation, **apoptosis**, and formation of 8-hydroxydeoxyguanosine, a known DNA oxidative modification, were observed by cold Schiff staining, in situ labeling method (staining. . . of the vitamin E-sufficient rats died during the first 3-month period. The results showed that vitamin E could inhibit tissue **lipid** peroxidation, **apoptosis**, 8-hydroxydeoxyguanosine formation, and the development of cancer [11 of 25 rats (44%) for vitamin E-sufficient versus 1 of 20 rats. . .

L5 ANSWER 11 OF 12 MEDLINE on STN

TI Oxidized low density lipoproteins alter macrophage **lipid** uptake, **apoptosis**, viability and nitric oxide synthesis.

AU Yang X; Galeano N F; Szabolcs M; Sciacca R R; Cannon P J

SO Journal of nutrition, (1996 Apr) 126 (4 Suppl) 1072S-5S.

Journal code: 0404243. ISSN: 0022-3166.

TI Oxidized low density lipoproteins alter macrophage **lipid** uptake, **apoptosis**, viability and nitric oxide synthesis.

SO Journal of nutrition, (1996 Apr) 126 (4 Suppl) 1072S-5S.

Journal code: 0404243. ISSN: 0022-3166.

L5 ANSWER 12 OF 12 MEDLINE on STN

TI The induction of apoptosis is a common feature of the cytotoxic action of ether-linked glycerophospholipids in human leukemic cells.

AU Diomede L; Piovani B; Re F; Principe P; Colotta F; Modest E J; Salmons M

SO International journal of cancer. Journal international du cancer, (1994 Jun 1) 57 (5) 645-9.

Journal code: 0042124. ISSN: 0020-7136.

SO International journal of cancer. Journal international du cancer, (1994 Jun 1) 57 (5) 645-9.

Journal code: 0042124. ISSN: 0020-7136.

AB . . . Molt-4 and U937 cells respectively. Similar results were obtained when cells were exposed to ET-18-OCH3. Our data confirm that ether **lipids** induce **apoptosis** in a variety of human leukemic cells, providing a possible explanation for their selectivity and mechanism of action.